



IRIDA Labs — *Your eyes to the future*

Delivering compact solutions ...

for complex vision applications

INTERNSHIP DAY

@ The Patras InnoHub, May 15th, 2012





Key Facts

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- IRIDA Labs is operational from 2009.
- Today 8 people, all with strong engineering background and experience on computer vision systems.



- Our main R&D focus is in:
 - Embedded systems for computer vision - Project SYNTHESIS under Corallia: Image and decision fusion chipset (IP cores).
 - Algorithm design for information processing – 2 National and 3 European projects.
- From 2009 onwards IRIDA Labs has been funded in R&D projects by key European organizations (e.g. ESA, EDA).



- Within 2 years IRIDA Labs is already:
 - Providing IP products and services.
 - Exhibiting in international events.
 - Having strong and prosperous partnerships.
- Sales cycle started in Q4/2011.

Products & Technologies in MV

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Smart Cameras:

- Software for FPGAs (RTL soft cores)
 - System On a Chip (SOC) solutions
 - **ITS** – Automatic License Plate Recognition
 - **Security** – SYNTHESIS™ Image Fusion system and IRIS_FUSE™ series Image Fusion IP blocks
 - IRIS IP core Machine Vision library (Altera and Xilinx)
 - De-Bayer, White Balancing, Filtering, Edge detection, Binarization, Segmentation, Pixel level object tracking, and expanding ...
- Software for DSPs
 - **IRIS_WATCH** – Trajectory tracking and object counting software
 - **IRIS_VISTA** – Video stabilization software
 - **iFaRe** – Face detection and recognition software
- All systems and building blocks are available in PC versions

Products Portfolio

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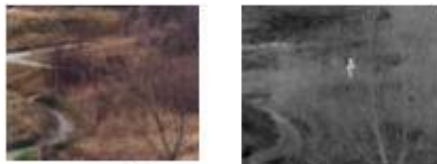
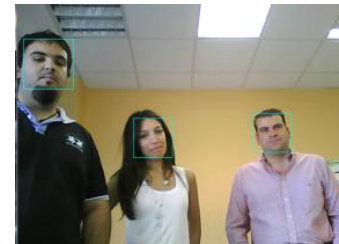


Image fusion



Video stabilization



Video Analytics



Car plate recognition

Πρακτική άσκηση

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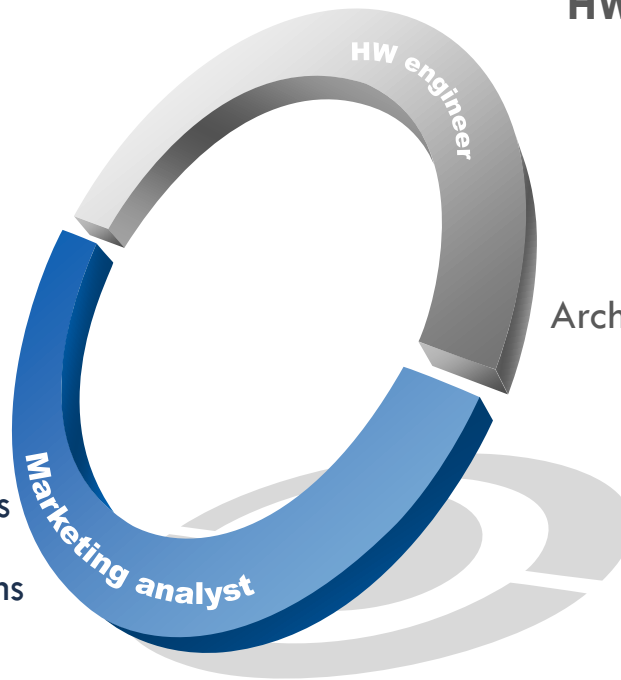
Marketing analyst, Business Planner

Business plan creation

Conduct market research/analyses

Develop market and sales strategies

ROI analysis of marketing campaigns and sales activities



HW Engineer, Embedded System Designer

Programming in VHDL/Verilog

Architectural design in FPGA platforms

Application development in ALTERA/XILINX

HW verification strategies

Optional: Computer Vision

Ευχαριστώ!

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Χρήστος Θεοχαράτος

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